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Abstract**Identification of sample containers**

The invention refers to a method of providing sample containers with an automatically readable identification for an analysis device, in which the sample container may be heated to an operating temperature. It is the object of the invention to improve the identification of sample containers in a manner that the sample contained in the sample container is not contaminated by the constituents of the identification agent during analysis. The object of the invention is solved in that during the manufacturing process of the sample container, the identification is applied during the final cooling phase of the ready sample container in a temperature interval between a maximum temperature during the sample container manufacture and the operating temperature. By the method according to the invention, volatile constituents of the identification agent are advantageous evaporated during the manufacturing process, so that when using the sample container during operating temperature of the analysis device, the sample to be analyzed is no longer contaminated by the exhaling constituents of the identification agent.